

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:37:21 ON 03 DEC 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:37:31 ON 03 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

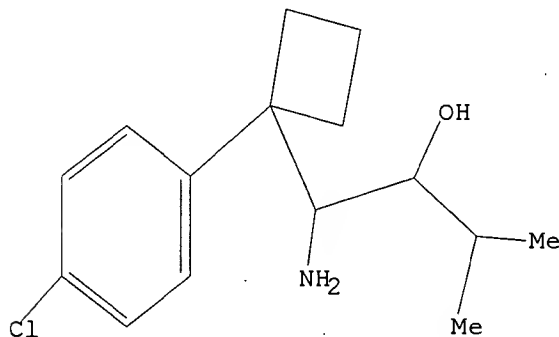
Uploading 195.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 16:37:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 39 TO ITERATE

100.0% PROCESSED 39 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 406 TO 1154  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 ful

FULL SEARCH INITIATED 16:37:57 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 835 TO ITERATE

100.0% PROCESSED 835 ITERATIONS  
SEARCH TIME: 00.00.01

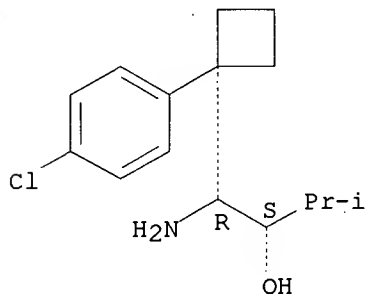
6 ANSWERS

L3 6 SEA SSS FUL L1

=> d 13 1-6

L3 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-98-9 REGISTRY  
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.S,.beta.R)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . Cl H  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
CRN (435343-97-8)

Absolute stereochemistry.

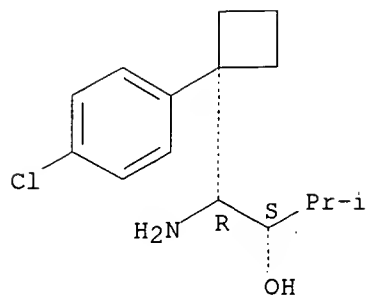


HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-97-8 REGISTRY  
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, (.alpha.S,.beta.R)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

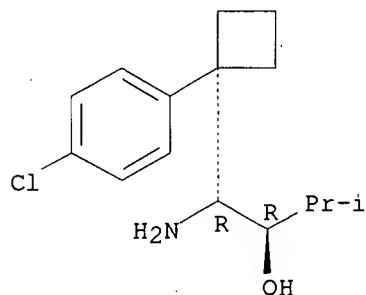


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-96-7 REGISTRY  
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.R,.beta.R)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . Cl H  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
CRN (435343-95-6)

Absolute stereochemistry.

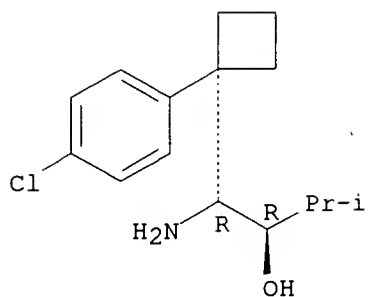


HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-95-6 REGISTRY  
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, (.alpha.R,.beta.R)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

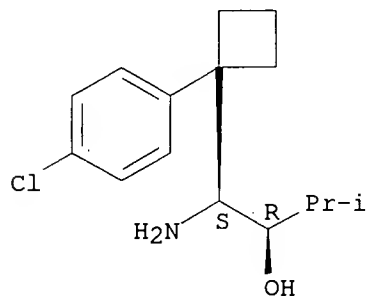


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-94-5 REGISTRY  
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.R,.beta.S)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . Cl H  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

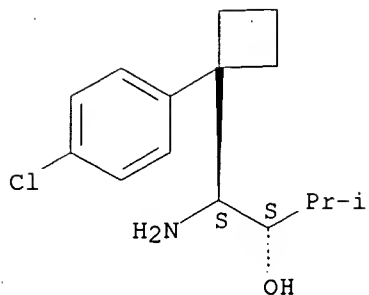


HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-93-4 REGISTRY  
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.S,.beta.S)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . Cl H  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS.

SINCE FILE	TOTAL
ENTRY	SESSION
158.23	158.44

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 16:38:13 ON 03 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23

FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 1 L3

=> d

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:449632 CAPLUS

DN 137:20209

TI Preparation of hydroxylated sibutramine analogs as neuronal monoamine uptake inhibitors

IN Senanayake, Chisantha H.; Rubin, Paul D.; Jerussi, Thomas P.

PA Sepracor Inc., USA

SO PCT Int. Appl., 115 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2002046138 A2 20020613 WO 2001-US47433 20011204  
 WO 2002046138 A3 20030123  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
 UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 US 2002115727 A1 20020822 US 2001-998195 20011203  
 AU 2002039572 A5 20020618 AU 2002-39572 20011204  
 EP 1353896 A2 20031022 EP 2001-987345 20011204  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 PRAI US 2000-250524P P 20001204  
 US 2000-257052P P 20001222  
 WO 2001-US47433 W 20011204  
 OS MARPAT 137:20209

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.84

160.28

FILE 'REGISTRY' ENTERED AT 16:39:18 ON 03 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

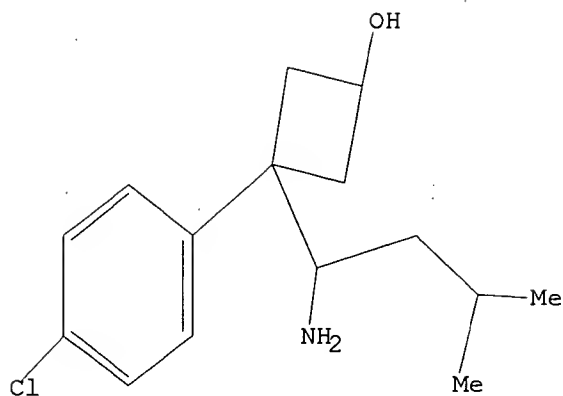
Uploading 195.str

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 16:39:34 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS  
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2 TO 124  
PROJECTED ANSWERS: 1 TO 80

L6 1 SEA SSS SAM L5

=> d

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 186521-89-1 REGISTRY  
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,  
(2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,  
(E)-2-butenedioate (1:1) (salt)

FS STEREOSEARCH

MF C15 H22 Cl N O . C4 H4 O4

SR CA

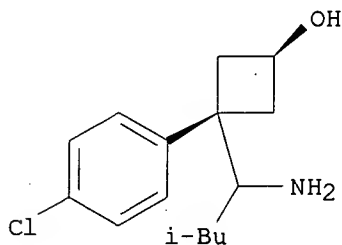
LC STN Files: CA, CAPLUS

CM 1

CRN 186521-84-6

CMF C15 H22 Cl N O

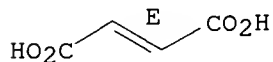
Relative stereochemistry.



CM 2

CRN 110-17-8  
CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 15 ful  
FULL SEARCH INITIATED 16:39:52 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 30 TO ITERATE

100.0% PROCESSED 30 ITERATIONS  
SEARCH TIME: 00.00.01

11 ANSWERS

L7 11 SEA SSS FUL L5

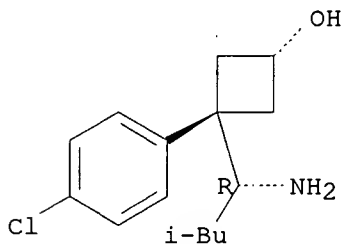
=> d 17 1-11

L7 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-80-9 REGISTRY  
CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, cis-,  
(2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . C4 H6 O6  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 435343-79-6  
CMF C15 H22 Cl N O

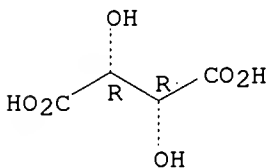
Absolute stereochemistry.

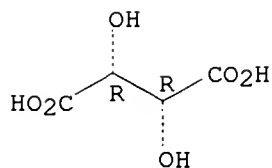


CM 2

CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.

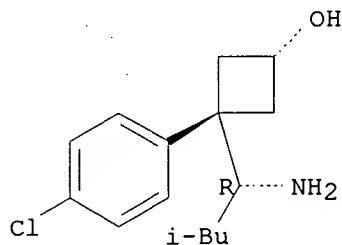




1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-79-6 REGISTRY  
CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, cis-  
(9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O  
CI COM  
SR CA

Absolute stereochemistry.



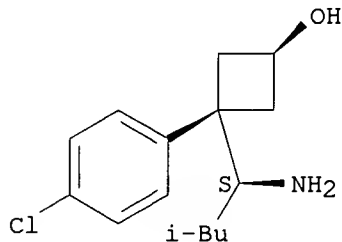
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-78-5 REGISTRY  
CN Cyclobutanol, 3-[(1S)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-,  
(2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . C4 H6 O6  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 435343-77-4  
CMF C15 H22 Cl N O

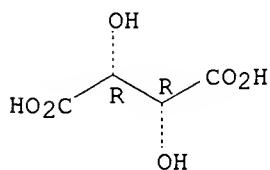
Absolute stereochemistry.



CM 2

CRN 87-69-4  
CMF C4 H6 O6

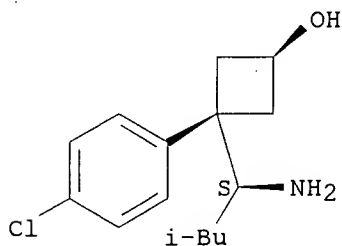
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-77-4 REGISTRY  
CN Cyclobutanol, 3-[(1S)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-  
(9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O  
CI COM  
SR CA

Absolute stereochemistry.



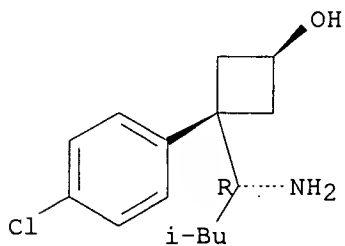
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

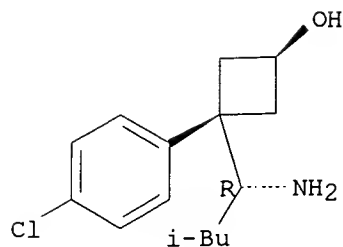
L7 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 435343-76-3 REGISTRY  
CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-,  
(2S,3S)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . C4 H6 O6  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 435343-75-2  
CMF C15 H22 Cl N O

Absolute stereochemistry.



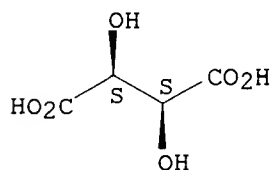


CM 2

CRN 147-71-7

CMF C4 H6 O6

Absolute stereochemistry.

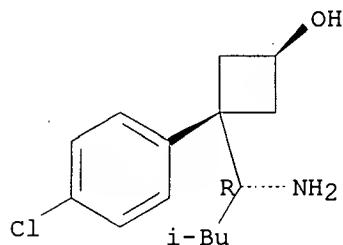


1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
 RN 435343-75-2 REGISTRY  
 CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-  
 (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C15 H22 Cl N O  
 CI COM  
 SR CA

Absolute stereochemistry.



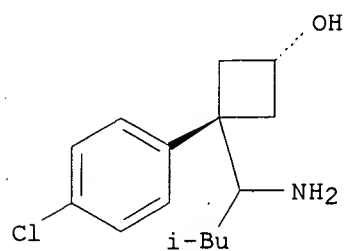
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
 RN 186521-92-6 REGISTRY  
 CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,  
 (2E)-2-butenedioate (10:9) (salt) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,  
 (E)-2-butenedioate (10:9) (salt)  
 FS STEREOSEARCH  
 MF C15 H22 Cl N O . 9/10 C4 H4 O4  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

CRN 186521-90-4  
CMF C15 H22 Cl N O

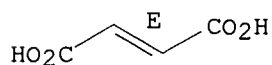
Relative stereochemistry.



CM 2

CRN 110-17-8  
CMF C4 H4 O4

Double bond geometry as shown.



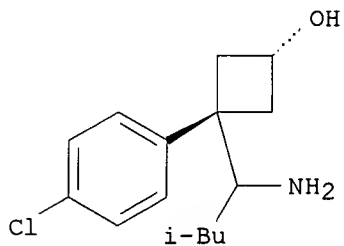
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 186521-91-5 REGISTRY  
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,  
(2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,  
(E)-2-butenedioate (1:1) (salt)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . C4 H4 O4  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 186521-90-4  
CMF C15 H22 Cl N O

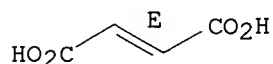
Relative stereochemistry.



CM 2

CRN 110-17-8  
CMF C4 H4 O4

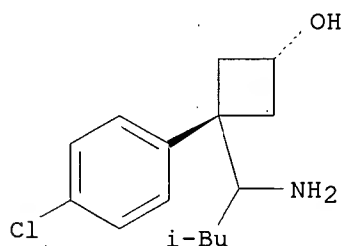
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 186521-90-4 REGISTRY  
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis- (9CI)  
(CA INDEX NAME)  
FS STEREOSEARCH  
MF C15 H22 Cl N O  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

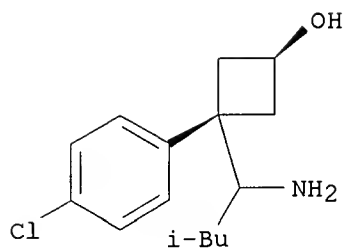
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 186521-89-1 REGISTRY  
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,  
(2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,  
(E)-2-butenedioate (1:1) (salt)  
FS STEREOSEARCH  
MF C15 H22 Cl N O . C4 H4 O4  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 186521-84-6  
CMF C15 H22 Cl N O

Relative stereochemistry.

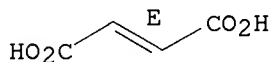


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN

RN 186521-84-6 REGISTRY

CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans- (9CI)  
(CA INDEX NAME)

FS STEREOSEARCH

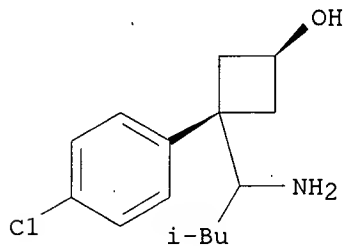
MF C15 H22 Cl N O

CI COM

SR CA

LC STN Files: CA, CAPLUS, CASREACT

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

168.31

328.59

FILE 'CAPLUS' ENTERED AT 16:40:07 ON 03 DEC 2003

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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23  
FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17

L8 2 L7

=> d 18 1-2

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:449632 CAPLUS  
DN 137:20209  
TI Preparation of hydroxylated sibutramine analogs as neuronal monoamine uptake inhibitors  
IN Senanayake, Chrisantha H.; Rubin, Paul D.; Jerussi, Thomas P.  
PA Sepracor Inc., USA  
SO PCT Int. Appl., 115 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046138	A2	20020613	WO 2001-US47433	20011204
	WO 2002046138	A3	20030123		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002115727	A1	20020822	US 2001-998195	20011203
	AU 2002039572	A5	20020618	AU 2002-39572	20011204
	EP 1353896	A2	20031022	EP 2001-987345	20011204
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	US 2000-250524P	P	20001204		
	US 2000-257052P	P	20001222		
	WO 2001-US47433	W	20011204		
OS	MARPAT 137:20209				

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1996:713861 CAPLUS  
DN 126:143907  
TI Synthesis of sibutramine, a novel cyclobutylalkylamine useful in the treatment of obesity, and its major human metabolites  
AU Jeffery, James E.; Kerrigan, Frank; Miller, Thomas K.; Smith, Graham J.; Tometzki, Gerald B.  
CS Knoll Pharmaceuticals, Res. Development Dep., Nottingham, NG1 1GF, UK  
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1996), (21), 2583-2589

CODEN: JCPRB4; ISSN: 0300-922X

PB Royal Society of Chemistry

DT Journal

LA English

OS CASREACT 126:143907

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:05:43 ON 03 DEC 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:05:53 ON 03 DEC 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 186521-89-1

L1 1 186521-89-1  
(186521-89-1/RN)

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 186521-89-1 REGISTRY

CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-, (2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-, (E)-2-butenedioate (1:1) (salt)

FS STEREOSEARCH

MF C15 H22 Cl N O . C4 H4 O4

SR CA

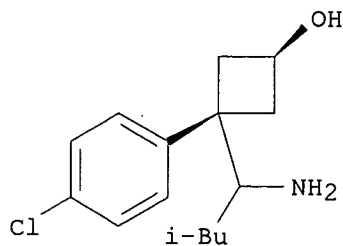
LC STN Files: CA, CAPLUS

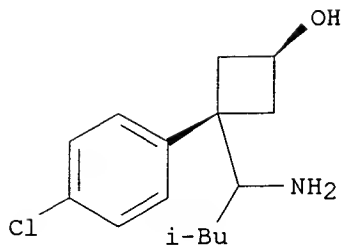
CM 1

CRN 186521-84-6

CMF C15 H22 Cl N O

Relative stereochemistry.



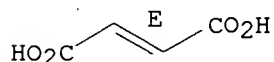


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.08

2.29

FILE 'CAPLUS' ENTERED AT 16:06:13 ON 03 DEC 2003

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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23

FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1

L2 1 L1

=> d

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1996:713861 CAPLUS

DN 126:143907

TI Synthesis of sibutramine, a novel cyclobutylalkylamine useful in the treatment of obesity, and its major human metabolites

AU Jeffery, James E.; Kerrigan, Frank; Miller, Thomas K.; Smith, Graham J.; Tometzki, Gerald B.

CS Knoll Pharmaceuticals, Res. Development Dep., Nottingham, NG1 1GF, UK  
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and  
Bio-Organic Chemistry (1996), (21), 2583-2589  
CODEN: JCPRB4; ISSN: 0300-922X  
PB Royal Society of Chemistry  
DT Journal  
LA English  
OS CASREACT 126:143907  
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L Number	Hits	Search Text	DB	Time stamp
1	131	(564/338) .CCLS.	USPAT; US-PGPUB	2003/12/03 15:42
2	169	(514/650) .CCLS.	USPAT; US-PGPUB	2003/12/03 15:42